

**Given the ratio of two similar figures, find the two missing ratios.**

1. Similarity ratio = 5:7

2. Similarity ratio = \_\_\_\_\_

3. Similarity ratio = \_\_\_\_\_

4. Similarity ratio = 1:6

Perimeter ratio = \_\_\_\_\_

Perimeter ratio = 3:8

Perimeter ratio = \_\_\_\_\_

Perimeter ratio = \_\_\_\_\_

Area ratio = \_\_\_\_\_

Area ratio = \_\_\_\_\_

Area ratio = 4:169

Area ratio = \_\_\_\_\_

5. Similarity ratio = \_\_\_\_\_

6. Similarity ratio = \_\_\_\_\_

7. Similarity ratio = 4:13

8. Similarity ratio = \_\_\_\_\_

Perimeter ratio = 4:11

Perimeter ratio = \_\_\_\_\_

Perimeter ratio = \_\_\_\_\_

Perimeter ratio = \_\_\_\_\_

Area ratio = \_\_\_\_\_

Area ratio = 144:289

Area ratio = \_\_\_\_\_

Area ratio = 81:100

**Find the missing values for each pair of similar figures.**

9.



$p = 20$

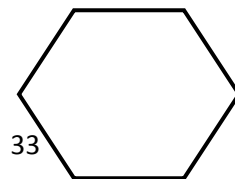
$A = ?$



$p = ?$

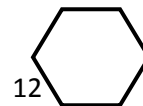
$A = 45$

10.



$p = ?$

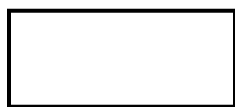
$A = 484$



$p = 60$

$A = ?$

11.



$p = ?$

$A = 1152$



$p = 90$

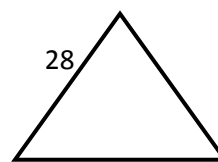
$A = ?$

12.



$p = 28$

$A = ?$



$p = ?$

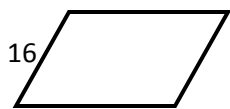
$A = 294$

13.



$$p = 28$$

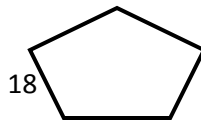
$$A = ?$$



$$p = 56$$

$$A = 144$$

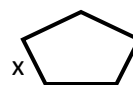
14.



$$18$$

$$p = 108$$

$$A = 324$$

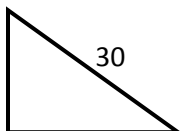


$$x$$

$$p = 60$$

$$A = ?$$

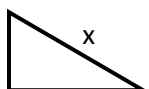
15.



$$30$$

$$p = 75$$

$$A = 175$$

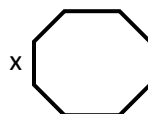


$$x$$

$$p = 45$$

$$A = ?$$

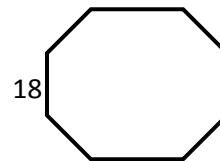
16.



$$x$$

$$p = 44$$

$$A = ?$$

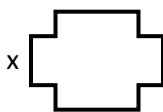


$$18$$

$$p = 99$$

$$A = 405$$

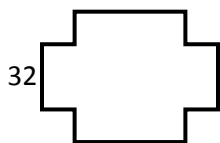
17.



$$x$$

$$A = 720$$

$$p = ?$$

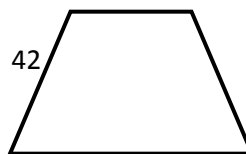


$$32$$

$$A = 1280$$

$$p = 192$$

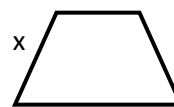
18.



$$42$$

$$A = 288$$

$$p = 162$$

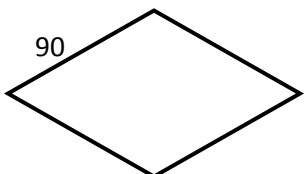


$$x$$

$$A = 200$$

$$p = ?$$

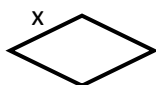
19.



$$90$$

$$A = 400$$

$$p = 360$$



$$x$$

$$A = 36$$

$$p = ?$$

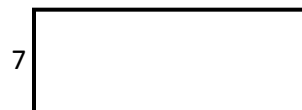
20.



$$x$$

$$A = 45$$

$$p = ?$$



$$7$$

$$A = 245$$

$$p = 84$$